

```
graph LR; IN1 --> PD[Phase detector 12]; IN2 --> PD; PD -- UP --> CP[Charge pump 14]; PD -- DN --> CP; CP --> LF[Loop filter 16]; LF -- VCONA --> VCO[VCO 18]; VCO --> PD;
```

Fig. 1 Prior Art



SECRET - EYES ONLY

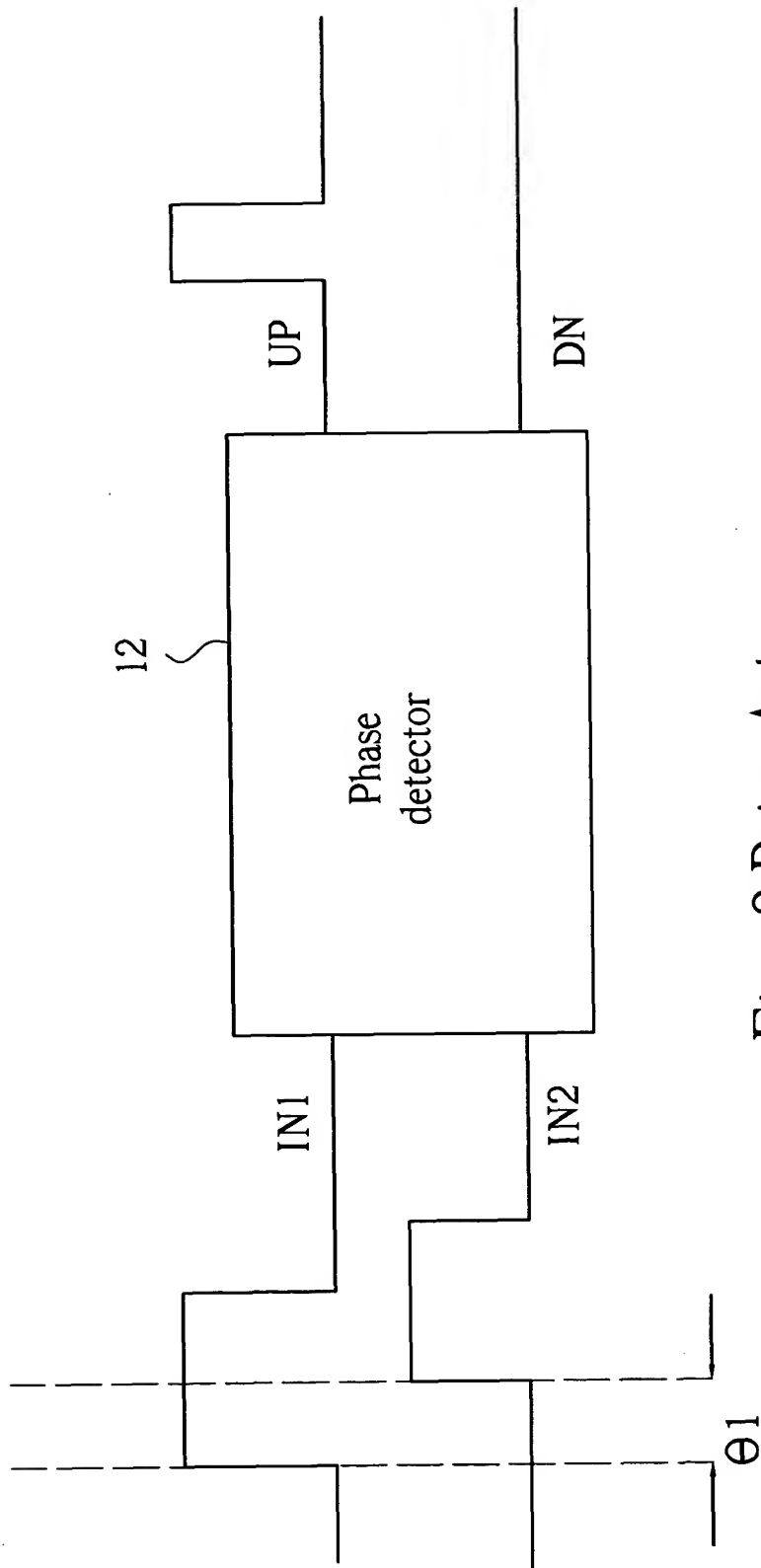
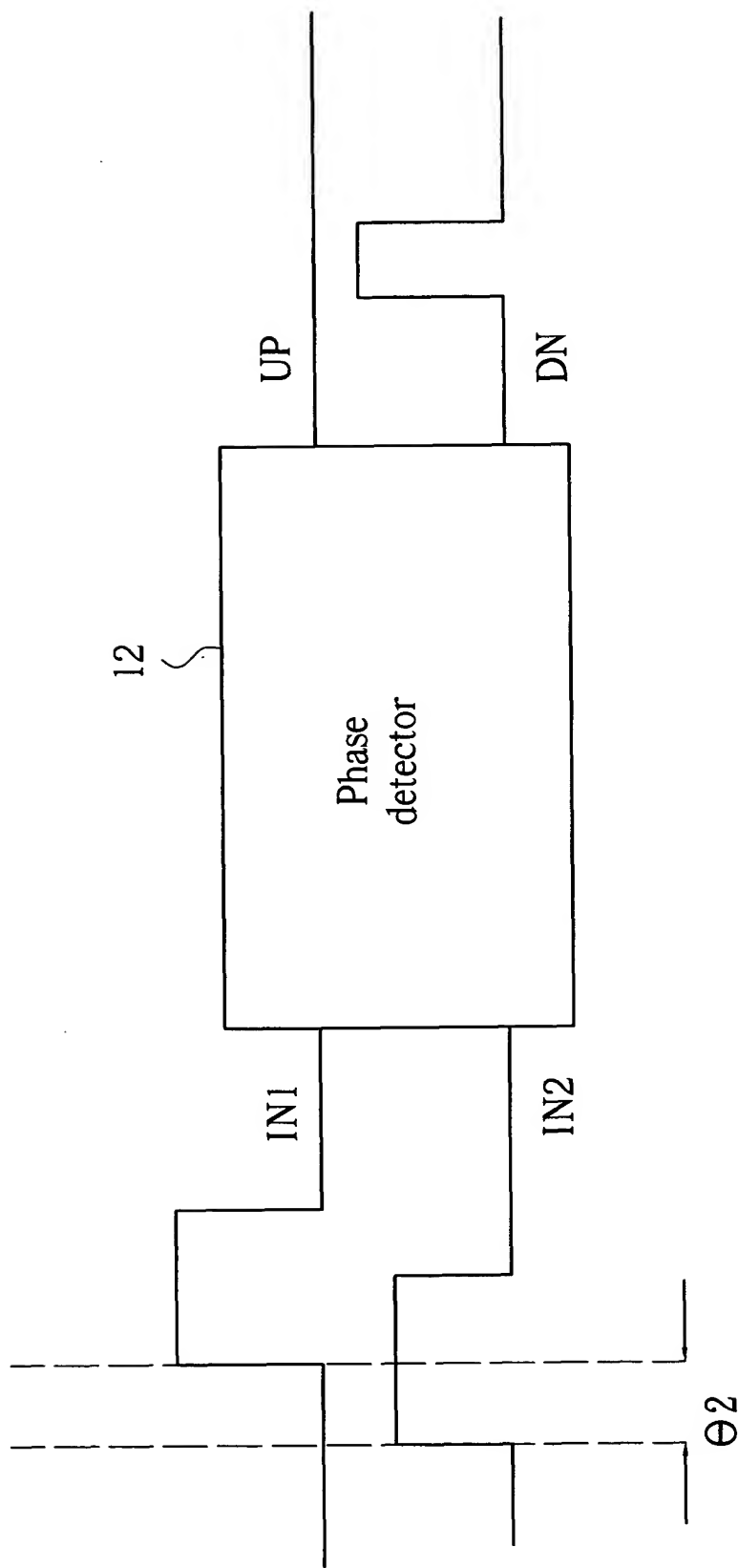


Fig. 2 Prior Art



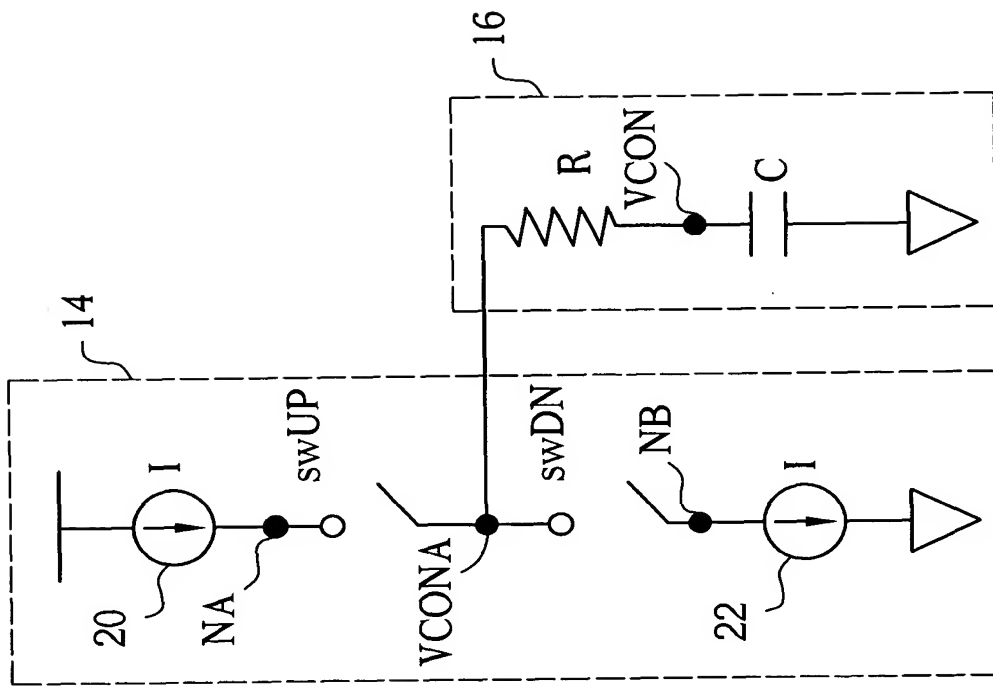


Fig. 4 Prior Art

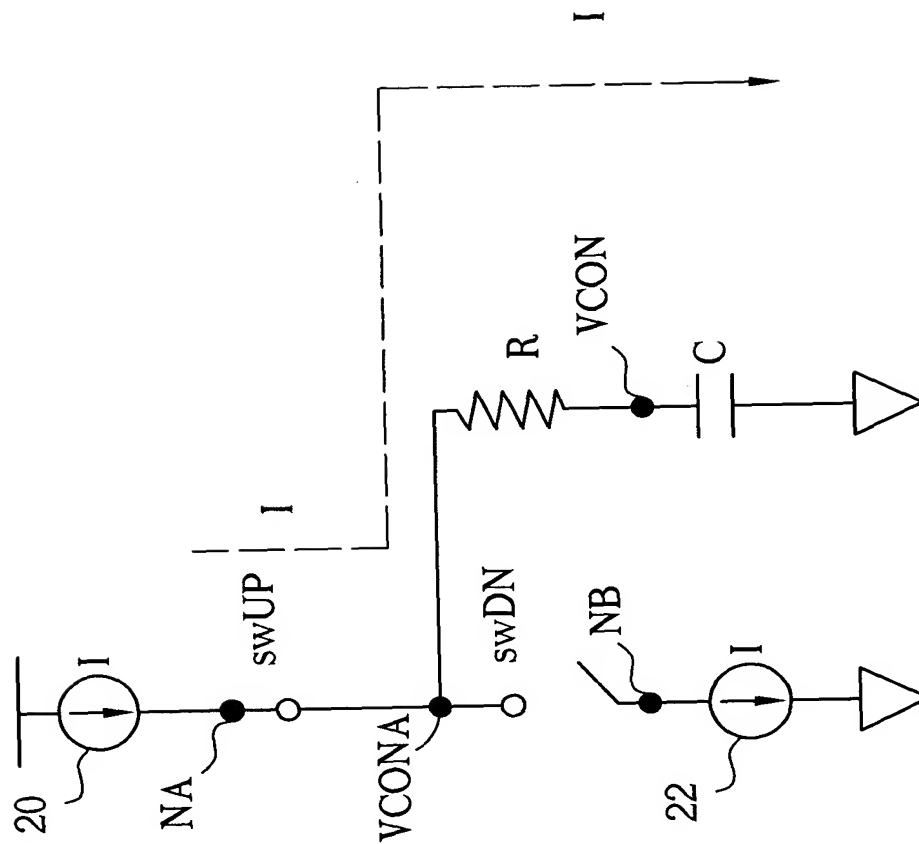


Fig. 5 Prior Art

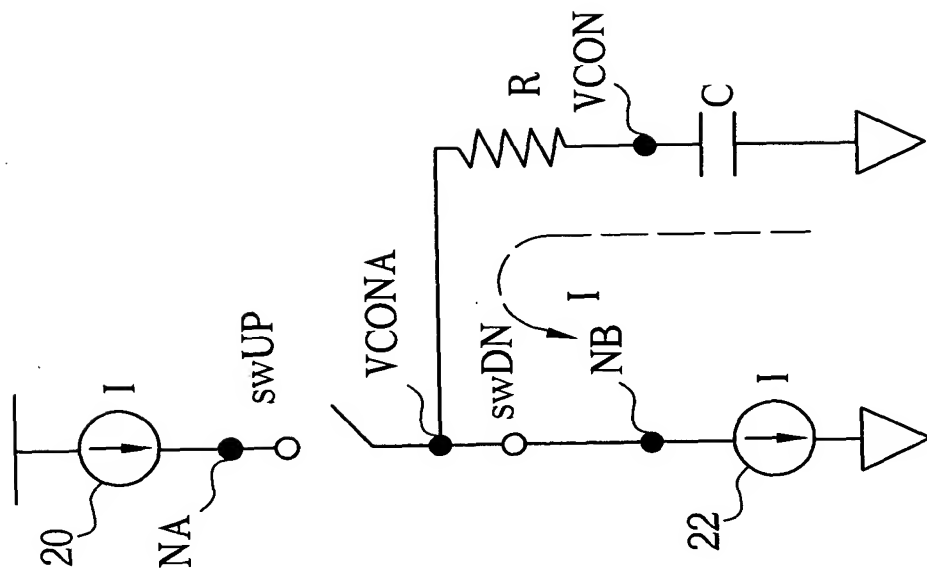


Fig. 6 Prior Art

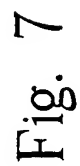


Fig. 7

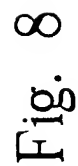


Fig. 8



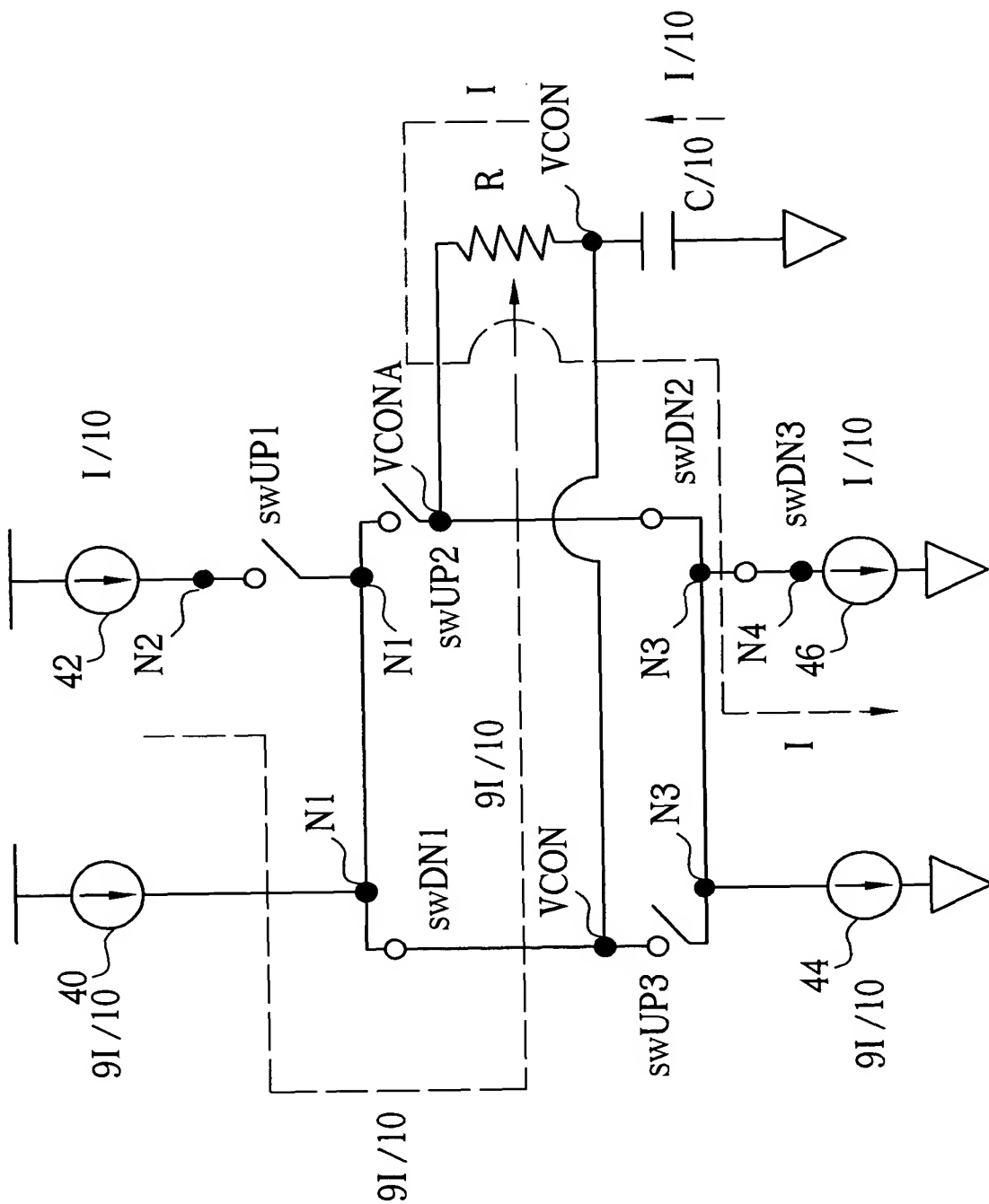


Fig. 9